

THE INDUSTRY

Pou Power

IT is reported that the Coventry Victor Company, of Coventry, has started production of engines for *Poux-du-Ceil*. The units are horizontally opposed four-cylinders of 1½-litres capacity.

Twenty-seven Years After

IN their "Monthly News," James H. Randall and Son, Ltd., of Green Street Works, Paddington, London, W.2, reproduce a page from *Flight* of November 13, 1909, containing an advertisement for their aircraft fuel tanks. It is interesting to observe that they still specialise in sheet-metal work of this kind—or, to be strictly accurate, of a more modern kind.

Yeadon Development

ON page 105 appears a photograph of Yeadon, the Leeds-Bradford municipal airport, which is shortly to be greatly extended. The Joint Airport Committee have invoked the aid of Messrs. Stavers H. Tiltman, L.R.I.B.A., and Mr. M. H. Volk, F.R.Ae.S., who were responsible for the entire planning, layout and design of the Brighton-Hove-Worthing airport.

C.P. Airscrew Appointment

IT is announced that Dr. W. Ker Wilson, Ph.D., Wh.Ex., whose paper on "Torsional Vibration in Engine Crankshafts" appeared in the *Institution of Automobile Engineer's Journal* of October, 1935, has joined the de Havilland Aircraft Company. His work will be on the design side of the de Havilland controllable-pitch airscrew. Dr. Wilson's connection with engineering extends over many years, and his experience should be of considerable value.

The Constant Check

FOLLOWING their policy of strict laboratory control of their output, High Duty Alloys, Ltd., have just completed a new laboratory building—the fourth since the company's inception in 1928—at their Slough works. The new block contains a chemical laboratory, production and research physical laboratories, photographic and metallographic rooms (including X-ray departments), experimental foundry, experimental heat treatment room, research library and offices. The associated companies, Magnesium Castings and Products, Ltd., and High Duty Bronze, Ltd., will share the benefit.

NEW COMPANIES

In the notes below, for reasons of space, the "objects" of new companies are usually somewhat abbreviated.

AIRCO LTD.—Private company, registered January 14. Capital £1,000 in £1 shares. Objects: To act as consultants, designers, etc., in connection with all kinds of aeronautical undertakings. First directors to be appointed by the subscribers. Secretary: Ernest H. Ford.

HARBOROUGH AIRCRAFT CONSTRUCTION COMPANY LTD.—Private company, registered January 21. Capital £20,000 in 5,500 8% cumulative preference and 12,500 8% cumulative preferred ordinary shares of £1 each and 40,000 ordinary shares of 1s. each. Objects to acquire the business carried on at Market Harborough as the National Aircraft Company; to adopt agreements (1) between J. G. Navarro and L. H. Mackay and E. W. Vernall, and (2) between J. G. Navarro, L. H. Mackay, E. W. Vernall and this company, and to carry on the business of designers, manufacturers and repairers of aeroplanes, parachutes, engines, etc. The subscribers are: Lewis H. Mackay, Vine Cottage, Farnham Common, Bucks, engineer; Sydney A. Schofield, 64, Atherfold Road, London, S.W.9, solicitor. The first directors are Lewis H. Mackay, and William L. Pengelly, of 14, South Square, Gray's Inn, London, W.C.1. Registered Office, 14, South Square, Gray's Inn, London, W.C.1.

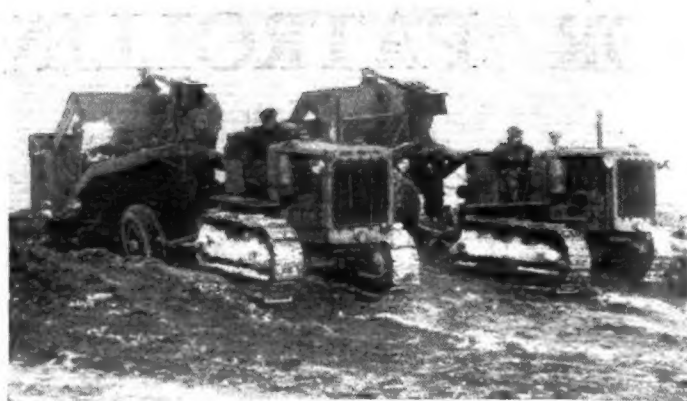
WEYBRIDGE AIR SERVICES, LTD.—Private company, registered January 22. Capital, £100 in £1 shares. Objects: To adopt an agreement with Capt. Godfrey Bremridge, A.F.C., and to carry on the business of carriers of passengers, goods and mails in aeroplanes, etc. Subscribers: Godfrey Bremridge, Ikona Park, St. Georges Avenue, Weybridge, Surrey, air pilot. Bernard L. Bremridge, 8, St. Thomas Street, Winchester, solicitor. Godfrey Bremridge is permanent director and chairman.

SOFAL LTD. Private company, registered January 20. Capital, £100 in £1 shares. Objects: To acquire and exploit businesses relating to the manufacture or treatment of materials used in connection with aircraft and automobile manufacture, etc. Subscribers are, Charles A. Soutar, 3, St. James's Square, London, S.W., company director, and William A. C. Brough, same address, accountant. First directors to be appointed by the subscribers.

INCREASES OF CAPITAL

CRILLY AIRWAYS, LTD. (14, Waterloo Place, London, S.W.1).—The nominal capital has been increased by the addition of £138,000 beyond the registered capital of £12,000. The additional capital is divided into 552,000 preferred ordinary shares of 5s. each. The company has also been converted into a public one.

BRITISH AIRWAYS, LTD. (18, Austin Friars, London, E.C.3).—The nominal capital has been increased by the addition of £245,140, in £1 ordinary shares,



FEARSOME MONSTERS at work at Ringway, Manchester's new airport. Actually, they are surfacing machines operated by the En-Tout-Cas Company and they have carried on undeterred by the recent heavy snow. By the aid of a special lighting system they are working by night as well as by day.

beyond the registered capital of £100. This company was registered as a private one on September 30, 1935, under the style of Allied British Airways, Ltd., and renamed as above on October 29, 1935. It was converted into a public concern on December 11, 1935. The above increase is for the purpose of acquiring the undertaking and assets of Hillmans Airways, Ltd., United Airways and Spartan Air Lines, Ltd.

AIR TRAVEL LTD. (Penshurst Aerodrome, Leigh, Kent).—The nominal capital has been increased by the addition of £6,500, in £1 ordinary shares, beyond the registered capital of £500.

WESTERN AIR TRANSPORT LTD. (40, Broad Street, Bristol).—The nominal capital has been increased by the addition of £26,000 in £1 shares beyond the registered capital of £4,000. This is a "private" company, registered on December 12, 1935, to purchase such of the present or future debts due and owing or to become due and owing by Norman Edgar (Western Airways) Ltd.

PUBLICATIONS, ETC., RECEIVED

Annual Report of the Board of Regents of The Smithsonian Institution, 1934. Price \$1.00. Superintendent of Documents, Washington, D.C., U.S.A.

Physiologie des Menschen im Flugzeug. By Dr. Gustav Schubert. Price RM 14.80. Von Julius Springer, Linkstrasse 23-24, Berlin, W.9, Germany.

Anuario Militar do Brasil 1934. Praga Floriano, Rio de Janeiro.

Report of the City of Edinburgh (Bomber) Squadron, 1935. Auxiliary Air Force, Turnhouse, Edinburgh.

Aeronautical Research Committee Reports and Memoranda: No. 1650: Split Flaps and Other Devices for Facilitating Landing, by S. B. Gates; price 1s. 3d. No. 1664: Note on Boundary Layer Flow, by H. B. Squire; price 9d. No. 1665: Rolling and Yawing Moments on Half Wings with Various Modifications of Wing Tips, by D. H. Williams; price 1s. No. 1667: A Distribution Method of Stress Analysis, by Prof. J. F. Baker and A. J. Ockleston; price 3s. 6d. H.M. Stationery Office, Kingsway, London, W.C.2.

Learning to Fly, by F. A. Swoffer. Price 7s. 6d. 4th Edition. Sir Isaac Pitman and Sons Ltd., Parker Street, Kingsway, London, W.C.2.

Tool Steel Catalogue. English Steel Corporation Ltd., Vickers Works, Sheffield.

Air Publication 1358: Dress Regulations for Officers of the Royal Air Force. Price 5s., postage extra, H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2.

Air Publication 1234: Manual of Air Navigation, Vol. I. Price 6s., H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2.

Aero Engines ("D" Licence), by A. N. Barrett. (Aeronautical Engineering Series, Ground Engineers). Price 3s. 6d., Sir Isaac Pitman and Sons, Parker Street, Kingsway, London, W.C.2.

Brass and other Copper Alloy—Wire and Wire Products. Copper Development Association, Thames House, Millbank, London, S.W.1.

Early British Balloon Posts, by John Pringle, M.D. Privately printed. Price 7s. 6d.

Mechanical World Year Book, 1936. Price 1s. 6d., Emmott and Co., Ltd., 28, Bedford Street, Strand, London, W.C.2.

Guide du Tourisme Automobile et Aérien au Sahara, 1936. Asiatic Petroleum Co. Ltd., St. Helens Court, Gt. St. Helens, London, E.C.3.

AERONAUTICAL PATENT SPECIFICATIONS

(The numbers in brackets are those under which the Specification will be printed and abridged, etc.)

(Published January 23, 1936).

18124. BUGATTI, J.: Apparatus for testing the resistance of structural parts, particularly parts of aeroplanes (440,198).

19008. HAWKER AIRCRAFT, LTD., DAVIES, S.D. and DOWN, C.R.: Retractable undercarriages for aircraft (440,358).

11238. MODESSE, A.: Means for supercharging internal-combustion engines on aircraft (440,303).

15768. KAKKI, Y., VAHERMO, M. and ARO, E.V.: Device for automatically steering aircraft, ships, and the like (440,243).

(Published January 30, 1936).

19564. ARMSTRONG WHITWORTH AIRCRAFT, LTD., Sir W. G., SIDDELEY, Sir J. D., and WYLIE, H. N.: Aircrews (440,655).

19575. VICKERS (AVIATION), LTD., GLEN, W. A. and RAYNER, F. W.: Apparatus for handling engines (440,656).

19625. MAZZINI, F.: Air-Circulating valve in the supporting surfaces of aeroplanes (440,659).

23338. NAAMLOZE VENNOOTSCHAP NEDERLANDSCHE INSTRUMENTEN CIE NEDERSCOT: Apparatus for finding the magnitudes of lead for anti-aircraft fire direction devices (440,715).

25812. PILAIN, R.: Sighting-correction apparatus for guns mounted on aircraft (440,475).

28751. WILKENING, F. W.: Aircraft (440,476).